

PIPELINE "RIGHT-OF-WAY" SURVEY FOR  
**KINDER MORGAN**  
RAVOLA DISCHARGE LINE UPGRADE  
SECTION 35, TOWNSHIP 1 SOUTH, RANGE 4 WEST  
&  
SECTIONS 1, 2, & 12, TOWNSHIP 2 SOUTH, RANGE 4 WEST  
UINTAH SPECIAL BASE AND MERIDIAN  
DUCESNE COUNTY, UTAH

SECTION 12  
REVISED

RIGHT-OF-WAY DESCRIPTION (TRAVIS COOK SN:2109-3)

A 50 feet wide right-of-way over portions of Section 12, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the width being 25 feet on either side of the following described centerline, with a 20 feet wide temporary right-of-way along the left side of said described right-of-way;  
Commencing at the East 1/4 Corner of said Section 12;  
Thence North 89°54'06" West 2628.15 feet along the South line of the NE1/4 of said Section 12;  
Thence North 13°28'54" West 80.28 feet to the TRUE POINT OF BEGINNING;  
Thence North 81°26'26" West 108.00 feet;  
Thence South 53°33'34" West 174.20 feet;  
Thence North 61°38'09" West 870.30 feet;  
Thence North 51°39'30" West 364.51 feet to the West line of the SW1/4 of the NE1/4 of said Section 12. Said described right-of-way being 1517.01 feet in length, with the sidelines being shortened or elongated to intersect existing right-of-way lines and said aliquot part line.

RIGHT-OF-WAY DESCRIPTION (DELMAR RAYMOND COOK SN:2109)

A 50 feet wide right-of-way over portions of Section 12, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the width being 25 feet on either side of the following described centerline, with a 20 feet wide temporary right-of-way along the left side of said described centerline;  
Commencing at the East 1/4 Corner of said Section 12;  
Thence North 89°54'06" West 2628.15 feet along the South line of the NE1/4 of said Section 12;  
Thence North 00°24'00" West 471.97 feet along the West line of said aliquot part to the TRUE POINT OF BEGINNING;  
Thence North 51°39'30" West 1162.54 feet;  
Thence North 25°03'20" West 335.14 feet;  
Thence North 60°53'57" East 85.76 feet;  
Thence North 17°09'00" East 323.16 feet;  
Thence North 50°38'08" West 151.96 feet;  
Thence North 49°35'00" West 73.46 feet;  
Thence North 39°30'07" West 84.01 feet;  
Thence North 34°02'42" West 49.45 feet;  
Thence North 32°48'42" West 136.35 feet;  
Thence North 43°15'04" West 425.04 feet to the North line of the NW1/4 of the NW1/4 of said Section 12. Said described centerline being 2992.50 feet in length, with the sidelines being shortened or elongated to intersect said aliquot part lines.

TOTAL LENGTHS IN SECTION 12

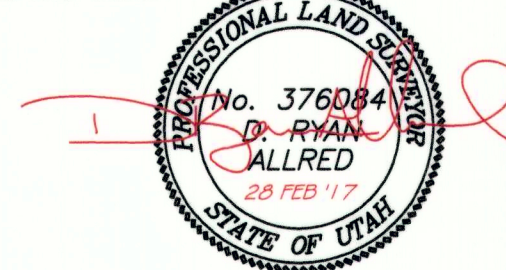
TRAVIS COOK	SN:2109-3	1517.01 FEET OR 91.94 RODS
DELMAR RAYMOND COOK	SN:2109	2992.50 FEET OR 181.36 RODS

BASIS OF BEARINGS

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A 1/4 CORNER LOCATED AT LAT. 40°21'07.6999"N AND LONG. 110°16'30.8142"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

SURVEYOR'S CERTIFICATE

I, D. RYAN ALLRED, DUCESNE COUNTY, UTAH, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR AND THAT I HOLD CERTIFICATE NUMBER 376084 AS PRESCRIBED BY THE STATE OF UTAH. I FURTHER CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY MADE BY ME OR UNDER MY PERSONAL SUPERVISION AND THAT THE MONUMENTS INDICATED WERE FOUND OR SET DURING SAID SURVEY, AND THAT THIS PLAT ACCURATELY REPRESENTS SAID SURVEY TO THE BEST OF MY KNOWLEDGE AND BELIEF.



D. Ryan Allred, Professional Land Surveyor,  
Certificate Number 376084 (Utah)

COUNTY SURVEYOR FILE NO. 4208 1st 4

JERRY D. ALLRED & ASSOCIATES, INC.  
SURVEYING CONSULTANTS  
1235 NORTH 700 EAST—P.O. BOX 975  
DUCESNE, UTAH 84021  
(435) 738-5352

REV 28 FEB 2017  
14 FEB 2017 12-121-374

LINE	BEARING	DISTANCE
L1	N 81°26'26" W	108.00'
L2	S 53°33'34" W	174.20'
L3	N 61°38'09" W	870.30'
L4	N 51°39'30" W	1527.06'
L5	N 25°03'20" W	335.14'
L6	N 60°53'57" E	85.76'
L7	N 17°09'00" E	323.16'
L8	N 50°38'08" W	151.96'
L9	N 49°35'00" W	73.46'
L10	N 39°30'07" W	165.62'
L11	N 39°30'07" W	84.01'
L12	N 34°02'42" W	49.45'
L13	N 32°48'42" W	136.35'
L14	N 43°15'04" W	547.37'
L15	N 55°16'07" W	421.24'

LEGEND

- PUBLIC LAND SURVEY SYSTEM SECTION CORNER AS NOTED
- PUBLIC LAND SURVEY SYSTEM 1/4 CORNER AS NOTED
- PROPOSED PIPELINE WITH P.I.'s
- SECTION LINE
- INTERIOR SECTION LINE
- PROPERTY LINE
- FENCE LINE
- OVERHEAD POWER
- POWER POLE



FOUND 1/2" REBAR IN MOUND OF STONES AT SECTION CORNER ON PREVIOUS SURVEY

POSITION OF 1/4 CORNER DETERMINED BY SINGLE PROPORTIONATE MEASUREMENT NOT SET

FOUND DUCESNE COUNTY ALUMINUM CAP ON 5/8" REBAR IN MOUND OF STONES AT CLOSING SECTION CORNER

FOUND MONUMENT SPIKE AT SECTION CORNER

SEC 7

SEC 18

SEC 12

SEC 13

SECTION CORNER SEARCHED FOR AND NOT FOUND. POSITION FALLS IN RIVER FLOOD PLAIN WITH SIGNS OF BEING INUNDATED DURING FLOOD PERIODS. POSITION OF CORNER DETERMINED BY DOUBLE PROPORTION MEASURE ON PREVIOUS SURVEY

SET 5/8"x24" REBAR W/CAP 1 ROD WEST OF A NORTH-SOUTH FENCE LINE PROJECTED FROM THE NORTH & 1 ROD NORTH OF THE REMNANTS OF AN OLD EAST-WEST FENCE LINE AND EXTENSION THEREOF, FOR THE POSITION OF THE 1/4 CORNER ON PREVIOUS SURVEY ON

FOUND MONUMENT SPIKES AT SECTION CORNER AND CLOSING SECTION CORNER

SEC 2

SEC 1

SEC 11

SEC 12

SEC 1

SEC 12

SEC 6

SEC 7

SEC 1

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12

SEC 12



DRAWING NUMBER  
4208 2 of 4

DRAWING NUMBER  
4208 2 of 4

DRAWING NUMBER  
4208 2 of 4

FOUND 5/8" REBAR WITH  
ALUM CAP SET BY OTHERS  
AT SECTION CORNER ON  
PREVIOUS SURVEY

FOUND DUCHESNE  
COUNTY MONUMENT AT  
1/4 CORNER ON  
PREVIOUS SURVEY

FOUND SURVEY MARKER  
AND WASHER AT  
SECTION CORNER ON  
PREVIOUS SURVEY

PIPELINE "RIGHT-OF-WAY" SURVEY FOR

**KINDER MORGAN**

**RAVOLA DISCHARGE LINE UPGRADE**

SECTION 35, TOWNSHIP 1 SOUTH, RANGE 4 WEST

&

SECTIONS 1, 2, & 12, TOWNSHIP 2 SOUTH, RANGE 4 WEST

UINTAH SPECIAL BASE AND MERIDIAN

DUCHESNE COUNTY, UTAH

SECTION 1

REVISED

**RIGHT-OF-WAY DESCRIPTION (JIMMY BROTHERTON SN:2061 & 2062)**

A 50 feet wide right-of-way over portions of Section 1, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the width being 25 feet on either side of the following described centerline, with a 20 feet wide temporary right-of-way along the right side of said described right-of-way.

Commencing at the South 1/4 Corner of said Section 1;  
Thence North 89°49'16" West 1594.25 feet along the South line of the SE1/4 of said Section 1 to the TRUE POINT OF BEGINNING;

Thence North 43°15'04" West 122.33 feet;

Thence North 55°16'07" West 421.24 feet;

Thence North 32°41'45" West 573.54 feet;

Thence North 08°17'46" West 200.64 feet;

Thence North 04°04'15" West 192.48 feet;

Thence North 17°25'45" West 530.88 feet;

Thence North 01°44'39" West 667.27 feet to an existing pipeline. Said described right-of-way being 2708.36 feet in length, with the sidelines being shortened or elongated to intersect existing section and right-of-way lines.

**RIGHT-OF-WAY DESCRIPTION -- EXISTING PLUS 20 FEET (JIMMY BROTHERTON SN:2062)**

An existing 49.5 feet wide right-of-way over portions of Section 1, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the width being 24.75 feet on either side of the following described centerline, with an additional 20 feet wide right-of-way along the left side of said described right-of-way.

Commencing at the West 1/4 Corner of said Section 1;

Thence South 14°01'18" East 282.70 feet to the TRUE POINT OF BEGINNING, which is the centerline of an existing pipeline right-of-way;

Thence North 30°15'20" West 137.59 feet along said centerline to the West line of the NW1/4 of the SW1/4 of said Section 12. Said described right-of-way being 137.59 feet in length, with the sidelines being shortened or elongated to intersect existing right-of-way lines and said aliquot part line.

**TOTAL LENGTHS IN SECTION 1**

JIMMY BROTHERTON	SN:2061 & 2062	2708.36 FEET OR 164.14 RODS
JIMMY BROTHERTON (EXISTING PLUS 20 FEET)	SN:2062	137.59 FEET OR 8.34 RODS

**LINE TABLE**

LINE	BEARING	DISTANCE
L14	N 43°15'04" W	547.37'
L15	N 55°16'07" W	421.24'
L S1	N 80°12'28" W	577.73'
L S2	N 32°41'45" W	573.54'
L S3	N 08°17'46" W	200.64'
L S4	N 04°04'15" W	192.48'
L S5	N 17°25'45" W	530.88'
L S6	N 01°44'39" W	667.27'

NORTH

SCALE: 1"=300'

**LEGEND**

- PUBLIC LAND SURVEY SYSTEM SECTION CORNER AS NOTED
- PUBLIC LAND SURVEY SYSTEM 1/4 CORNER AS NOTED
- PROPOSED PIPELINE WITH P.I.'s
- SECTION LINE
- INTERIOR SECTION LINE
- PROPERTY LINE
- FENCE LINE
- OVERHEAD POWER
- POWER POLE

SECTION CORNER SEARCHED FOR  
AND NOT FOUND. POSITION FALLS  
IN RIVER FLOOD PLAIN WITH SIGNS  
OF BEING INUNDATED DURING  
FLOOD PERIODS. POSITION OF  
CORNER DETERMINED BY DOUBLE  
PROPORTION MEASURE ON PREVIOUS  
SURVEY

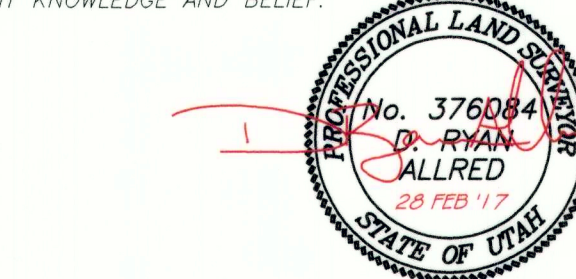
EQ. STN. 1  
AHEAD 5+77.73  
BEHIND 50+53.08

EXISTING FENCE  
TO BE RE-INSTALLED

SET 5/8"x24" REBAR W/CAP 1 ROD WEST OF A  
NORTH-SOUTH FENCE LINE PROJECTED FROM  
THE NORTH & 1 ROD NORTH OF THE  
REMNANTS OF AN OLD EAST-WEST FENCE LINE  
AND EXTENSION THEREOF, FOR THE POSITION OF  
THE 1/4 CORNER ON PREVIOUS SURVEY ON

FOUND MONUMENT SPIKES  
AT SECTION CORNER AND  
CLOSING SECTION CORNER

REV 28 FEB 2017  
REV 18 FEB 2017  
14 FEB 2017 12-121-374



D. Ryan Allred, Professional Land Surveyor,  
Certificate Number 376084 (Utah)

COUNTY SURVEYOR FILE NO. 4208 2 of 4

JERRY D. ALLRED & ASSOCIATES, INC.  
SURVEYING CONSULTANTS  
1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-5352



DRAWING NUMBER  
4208 344

DRAWING NUMBER  
4208 344

DRAWING NUMBER  
4208 344

DRAWING NUMBER  
4208 344

PIPELINE "RIGHT-OF-WAY" SURVEY FOR

**KINDER MORGAN**

**RAVOLA DISCHARGE LINE UPGRADE**

SECTION 35, TOWNSHIP 1 SOUTH, RANGE 4 WEST

&

SECTIONS 1, 2, & 12, TOWNSHIP 2 SOUTH, RANGE 4 WEST

UINTAH SPECIAL BASE AND MERIDIAN

DUCHESNE COUNTY, UTAH

SECTION 2

REVISED

**RIGHT-OF-WAY DESCRIPTION -- EXISTING PLUS 20 FEET (LAKE FORK RANCH INC. SN:2066 & 2068)**

An existing 49.5 feet wide right-of-way over portions of Section 2, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the width being 24.75 feet on either side of the following described centerline, with an additional 20 feet wide right-of-way along the left side of said described right-of-way;  
Commencing at the East 1/4 Corner of said Section 2;  
Thence South 00°18'22" West 155.43 feet to the TRUE POINT OF BEGINNING;  
Thence North 30°15'20" West 155.32 feet;  
Thence North 33°38'54" West 25.34 feet to the North line of the NE1/4 of the SE1/4 of said Section 2. Said described right-of-way being 180.66 feet in length, with the sidelines being shortened or elongated to intersect existing right-of-way lines and said aliquot part line.

**RIGHT-OF-WAY DESCRIPTION -- EXISTING PLUS 20 FEET (JIMMY BROTHERTON SN:2064)**

An existing 49.5 feet wide right-of-way over portions of Section 2, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the width being 24.75 feet on either side of the following described centerline, with an additional 20 feet wide right-of-way along the left side of said described right-of-way;  
Commencing at the East 1/4 Corner of said Section 2;  
Thence South 89°53'38" West 93.13 feet along the South line of the SE1/4 of the NE1/4 of said Section 2 to the TRUE POINT OF BEGINNING, which is the centerline of an existing pipeline right-of-way;  
Thence the following ten (10) courses along said centerline;  
North 33°38'54" West 62.97 feet;  
North 34°48'55" West 253.05 feet;  
North 35°08'50" West 254.57 feet;  
North 35°07'55" West 345.89 feet;  
North 36°56'31" West 91.87 feet;  
North 34°31'44" West 164.94 feet;  
North 33°47'27" West 220.51 feet;  
North 21°03'21" West 51.49 feet;  
North 23°50'55" West 100.98 feet;  
North 26°20'36" West 29.04 feet to the South line of Lot 1 of said Section 2. Said described right-of-way being 1575.32 feet in length, with the sidelines being shortened or elongated to intersect existing right-of-way lines and said Lot line.

**RIGHT-OF-WAY DESCRIPTION -- EXISTING PLUS 20 FEET (JIMMY BROTHERTON SN:2064-2)**

An existing 49.5 feet wide right-of-way over portions of Section 2, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the width being 24.75 feet on either side of the following described centerline, with an additional 20 feet wide right-of-way along the left side of said described right-of-way;  
Commencing at the Northeast Corner of said Section 2;  
Thence South 89°55'09" West 1321.59 feet along the North line of Lot 1 of said Section 2;  
Thence South 00°05'09" West 1029.50 feet along the West line of said Lot 1 to the TRUE POINT OF BEGINNING, which is the centerline of an existing right-of-way;  
Thence the following ten (10) courses along said centerline;  
North 37°25'34" West 64.86 feet;  
North 26°57'22" West 64.73 feet;  
North 30°53'30" West 69.74 feet;  
North 18°26'18" West 57.98 feet;  
North 11°40'19" West 79.66 feet;  
North 12°22'14" West 82.21 feet;  
North 11°20'42" West 284.53 feet;  
North 09°31'32" West 107.82 feet;  
North 22°00'28" West 108.06 feet;  
North 26°54'52" West 180.72 feet to the North line of Lot 2 of said Section 2. Said described right-of-way being 1100.31 feet in length, with the sidelines being shortened or elongated to intersect said Lot lines.

**TOTAL LENGTHS IN SECTION 2**

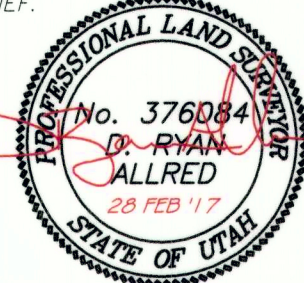
LAKE FORK RANCH INC. (EXISTING PLUS 20 FEET) SN:2066 & 2068	180.66 FEET OR 10.95 RODS
JIMMY BROTHERTON (EXISTING PLUS 20 FEET) SN:2064	1575.32 FEET OR 95.47 RODS
JIMMY BROTHERTON (EXISTING PLUS 20 FEET) SN:2064-2	1100.31 FEET OR 66.69 RODS

**BASIS OF BEARINGS**

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A 1/4 CORNER LOCATED AT LAT. 40°21'07.6999"N AND LONG. 110°16'30.8142"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

**SURVEYOR'S CERTIFICATE**

I, D. RYAN ALLRED, DUCHESNE COUNTY, UTAH, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR AND THAT I HOLD CERTIFICATE NUMBER 376084 AS PRESCRIBED BY THE STATE OF UTAH. I FURTHER CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY MADE BY ME OR UNDER MY PERSONAL SUPERVISION AND THAT THE MONUMENTS INDICATED WERE FOUND OR SET DURING SAID SURVEY, AND THAT THIS PLAT ACCURATELY REPRESENTS SAID SURVEY TO THE BEST OF MY KNOWLEDGE AND BELIEF.

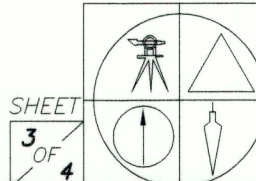


D. Ryan Allred, Professional Land Surveyor,  
Certificate Number 376084 (Utah)

COUNTY SURVEYOR FILE NO. 4208 344

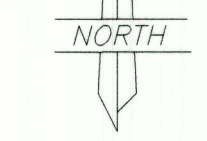
**JERRY D. ALLRED & ASSOCIATES, INC.**  
SURVEYING CONSULTANTS  
1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-8352

REV 28 FEB 2017  
REV 18 FEB 2017  
14 FEB 2017 12-121-374



**LINE TABLE**

LINE	BEARING	DISTANCE
L17	N 06°57'06" W	456.39'
L18	N 21°31'48" W	470.99'
L19	N 01°44'39" W	616.89'
L20	N 30°15'20" W	345.28'
L21	N 33°38'54" W	88.51'
L22	N 34°48'55" W	253.05'
L23	N 35°08'50" W	254.57'
L24	N 35°07'55" W	345.89'
L25	N 36°56'31" W	91.87'
L26	N 34°31'44" W	164.94'
L27	N 33°47'27" W	220.51'
L28	N 21°03'21" W	51.49'
L29	N 23°50'55" W	100.98'
L30	N 26°20'36" W	81.96'
L31	N 24°18'51" W	276.31'
L32	N 32°09'26" W	96.93'
L33	N 33°18'48" W	117.56'
L34	N 32°27'00" W	169.40'
L35	N 37°25'34" W	68.96'
L36	N 26°57'22" W	64.73'
L37	N 30°53'30" W	69.74'
L38	N 18°26'18" W	57.98'
L39	N 11°40'19" W	79.66'
L40	N 12°22'14" W	82.21'
L41	N 11°20'42" W	284.53'
L42	N 09°31'32" W	107.82'
L43	N 22°00'28" W	108.06'
L44	N 26°54'52" W	214.78'
L45	N 29°06'00" W	301.93'



SCALE: 1"=300'



**LEGEND**

- PUBLIC LAND SURVEY SYSTEM SECTION CORNER AS NOTED
- PUBLIC LAND SURVEY SYSTEM 1/4 CORNER AS NOTED
- PROPOSED PIPELINE WITH P.I.'s
- SECTION LINE
- INTERIOR SECTION LINE
- PROPERTY LINE
- FENCE LINE
- OVERHEAD POWER
- POWER POLE



